NC1010

COMPUTED BY: LGC DATE: 5-16-02
CHECKED BY: STS DATE: 5-29-02

DIVISION OF HIGHWAYS
STATE OF NORTH CAROLINA
GUARDRAIL SUMMARY

METRIC

PROJECT REFERENCE NO.	SHEET NO.
R-2911A	3-J

"N" = DISTANCE FROM EDGE OF LANE TO FACE OF GUARDRAIL
TOTAL SHOULDER WIDTH = DISTANCE FROM EDGE OF TRAVEL LANE TO SHOULDER BREAK POINT.
FLARE LENGTH = DISTANCE FROM LAST SECTION OF PARALLEL GUARDRAIL TO END OF GUARDRAIL
W = TOTAL WIDTH OF FLARE FROM BEGIN

G = GATING IMPACT ATTENUATOR TYPE 350
NG = NON-GATING IMPACT ATTENUATOR TYPE 350

SURVEY LINE	BEG. STA.	END STA.	LOCATION	LENGTH			WARRANT POINT		"N" DIST. FROM E.O.L.	TOTAL SHOUL WIDTH	FLARE LENGTH		W		ANCHORS									IMPACT ATTENUATOR TYPE 350		SINGLE FACED CONCRETE BARRIER	REMOVE EXISTING GUARDRAIL	RELAP GUARDRAIL	REMARKS
				STRAIGHT	SHOP CURVED	DOUBLE FACED	APPROACH END	TRAILING END			APPROACH END	TRAILING END	APPROACH END	TRAILING END			GRAU 350	M-350	TYPE III	CAT-1			TERMINAL END SECTION	G	NG				
-L-	23+36.63		LT	7.62			-	-	-	-	-	-	-	-									2						DEAD END
-L-	25+12.44		RT	7.62			-	-	-	-	-	-	-	-									2						DEAD END
-L-	28+25.94		RT	7.62			-	-	-	-	-	-	-	-									2						DEAD END
-L-	29+75.71	39+09.16(BR.)	LT	933.45			-	30+17.00	4.2/3	4.2BERM/4	-	-	-	-					1	1									TRANSITION FROM C&G TO SHOULDER SECTION
-L-	30+63.25	39+12.88(BR.)	RT	849.63			31+06.00	-	4.2/3	4.2BERM/4	-	-	-	-			1		1										TRANSITION FROM C&G TO SHOULDER SECTION
-L-	38+72.52	39+10.62(BR.)	MED LT	38.10			-	39+10.62(BR.	0.6	4.5	-	11.43	-	-				1	1										
-L-	38+65.70	39+11.42(BR.)	MED RT	45.72			39+11.42(BR.)	-	0.6	4.5	11.43	-	3.35	-				1	1									45.72	RELAP GUARDRAIL
-L-	40+10.16(BR.)	41+27.21(BR.)	LT	118.11			41+27.21(BR.)	40+10.16(BR.	4.2/3	4.5	-	-	-	-					2										
-L-	40+23.40(BR.)	41+32.54(BR.)	RT	110.49			40+23.40(BR.)	41+32.54(BR.	4.2/3	4.5	-	-	-	-					2										
-L-	40+15.35(BR.)	41+29.30(BR.)	MED LT	114.30			41+29.30(BR.)	40+15.35(BR.	0.6	4.5	-	-	-	-					2										
-L-	40+18.21(BR.)	41+30.45(BR.)	MED RT	114.30			40+18.21(BR.)	41+30.45(BR.	0.6	4.5		-		-					2									114.3	RELAP GUARDRAIL
-L-	41+88.62(BR.)	46+42.10	RT	453.39			-	46+00.00	3.0	4.0	-	15.24	-	0.3			1		1										
-L-	41+83.56(BR.)	46+17.90	LT	434.34			45+76.00	-	3.0	4.0	15.24	-	-	-			1		1										
-L-	41+85.55(BR.)	42+31.27	MED LT	45.72			41+85.55(BR.)	-	0.6	4.5	11.43	-	3.35	-				1	1										
-L-	41+86.65(BR.)	42+24.75	MED RT	38.10			-	41+86.65(BR.	0.6	4.5	-	11.43	-	1.8				1	1									38.1	RELAP GUARDRAIL
-L/Y7-	-L- 48+50.00	-Y7- 14+50.00	LT	91.44	41.91		-Y7- 14+27.50	-L- 48+50.00	2.4/3	3.4/4	15.24	-	0.3	-			1			1							251		REMOVE RT. OF Y7
-Y7/L-	Y7- 11+14.36	-L- 51+08.10	RT	388.62	41.91		-Y7- 10+70.00	-L- 50+70.00	2.4/3	3.4/4	-	15.24	-	0.3			1										196		REMOVE LT OF Y7/TIE TO EXISTING G/R
-L-	54+52.39	58+02.91	RT	350.52			54+90.00	57+64.81	3.0	4.0	15.24	15.24	0.3	0.3			2												
-L-	54+89.96	58+17.62	LT	327.66			54+89.96	57+80.00	3.0	4.0	15.24	-	0.3	-			1			1									
-L-	63+39.02	65+98.10	RT	259.08			63+80.00	65+60.00	3.0	4.0	15.24	15.24	0.3	0.3			2												
-L-	65+00.00	65+99.06	LT	99.06			65+00.00	65+60.00	3.0	4.0	15.24	-	0.3	-			1			1									
-L-	67+39.02	69+98.10	RT	259.08			67+80.00	69+60.00	3.0	4.0	15.24	15.24	0.3	0.3			2												
-L-	68+40.00	69+80.97	LT	140.97			68+40.00	69+40.00	3.0	4.0	15.24	-	0.3	-			1			1									
-L-	78+60.94	79+60	RT	99.06			79+02.00	79+60.00	3.0	4.0	11.43	-	1.2	-			2												
TOTAL				5334.00	83.82												16	4	16	5			6				447	198.12	
	LESS ANCHOR DEDUCTIONS																												
	GRAU-350	16	15.24	-243.84																									
	M-350	4	11.43	-45.72																									
	CAT-1	5	1.905	-7.62	-1.91																								
	TYPE III	16	5.715	-91.44																									
	TOTAL DEDUCTIONS			-388.62	-1.91																								
	TOTAL LENGTH			4945.38	81.92																								
	SAY			5006.34	83.82						SAY 10 ADDITIONAL POSTS																		